

ABSTRACT

5           A repository contains multiple versions of an object but only a single  
version of the object is supplied when a query is made. The single version is  
automatically selected from among a number of versions that are otherwise  
returned in response to the query, based on a configuration associated with a  
workspace in which the query originates. The selected version of the object is  
10 then presented in a version resolved view, without exposing any information  
related to versioning of the object. Specifically, a number of configurations are  
established, each configuration containing no more than one version of each  
object in the repository. However, only one configuration is associated with each  
workspace from which a query can originate. The configuration that is  
15 associated with the workspace depends on whether the workspace is to be used  
for design of the repository or for use of the repository during live operation.  
Specifically, a single configuration (hereinafter "design time" configuration) is  
commonly associated with the workspaces of all developers. When the  
developers decide that a set of objects in the repository is ready for use in live  
20 operation, the set of objects is "deployed" by copying the design time  
configuration to generate a new configuration (hereinafter "run time"  
configuration) that contains the most current versions of all objects (as present in  
the design time configuration). Any number of run time configurations can co-  
exist with each other and with the design time configuration.

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